

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/007626

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B1/707

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 052 783 A (NIPPON ELECTRIC CO) 15 November 2000 (2000-11-15) paragraphs '0045! - '0061!; figures 5,8 -----	1, 12
A	EP 1 033 823 A (HITACHI LTD) 6 September 2000 (2000-09-06) paragraphs '0024!, '0025!; figures 4,8 -----	1
A	WO 01/76088 A (QUALCOMM INC) 11 October 2001 (2001-10-11) page 22, line 29 - page 23, line 23 -----	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

20 October 2004

Date of mailing of the international search report

26/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Amorotti, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007626

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1052783	A	15-11-2000	JP 3322240 B2	09-09-2002
			JP 2000324016 A	24-11-2000
			BR 0001766 A	19-12-2000
			CN 1273469 A	15-11-2000
			EP 1052783 A2	15-11-2000
			US 6580749 B1	17-06-2003
EP 1033823	A	06-09-2000	JP 2000252962 A	14-09-2000
			CN 1266343 A	13-09-2000
			DE 60002247 D1	28-05-2003
			DE 60002247 T2	19-02-2004
			EP 1033823 A1	06-09-2000
			US 6754255 B1	22-06-2004
WO 0176088	A	11-10-2001	US 6775252 B1	10-08-2004
			AU 5118801 A	15-10-2001
			CA 2404349 A1	11-10-2001
			CN 1461536 T	10-12-2003
			EP 1269649 A2	02-01-2003
			JP 2003530004 T	07-10-2003
			WO 0176088 A2	11-10-2001